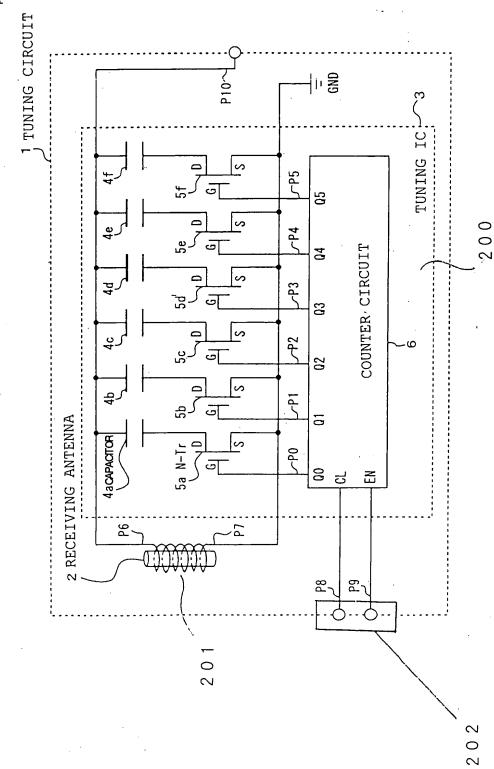
Fig. 1



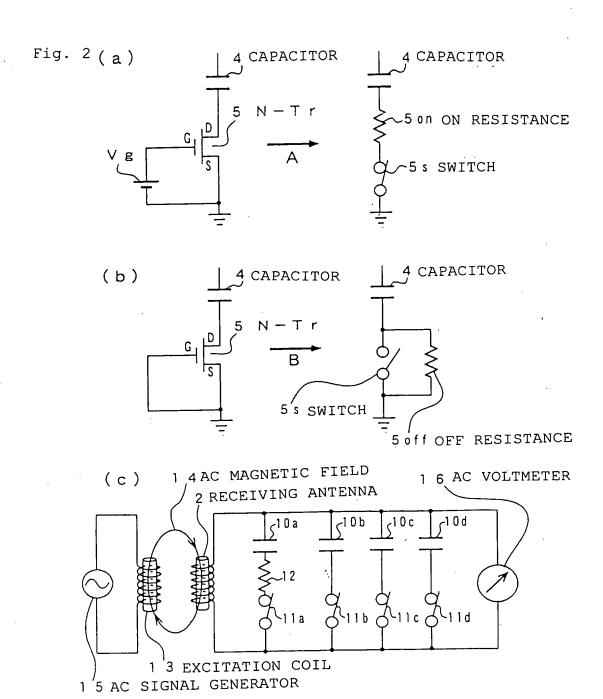
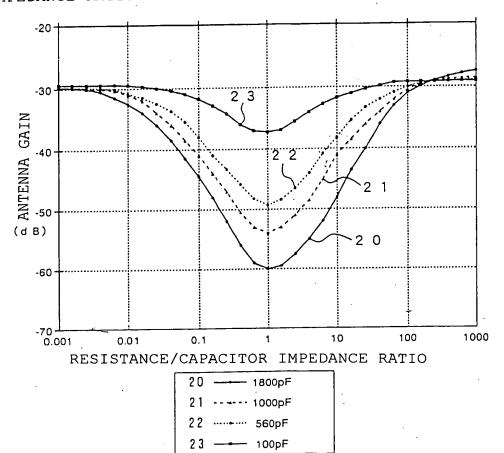


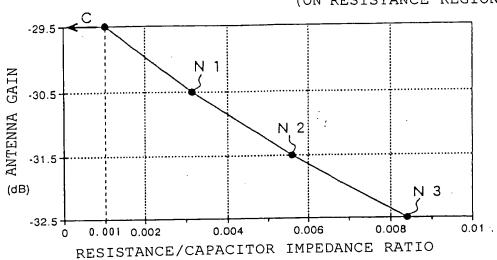
Fig. 3
IMPEDANCE RATIO VERSUS ANTENNA GAIN CHARACTERISTICS



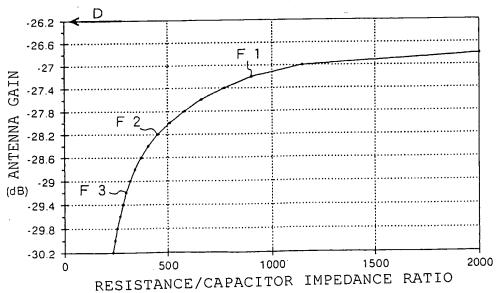
(a)

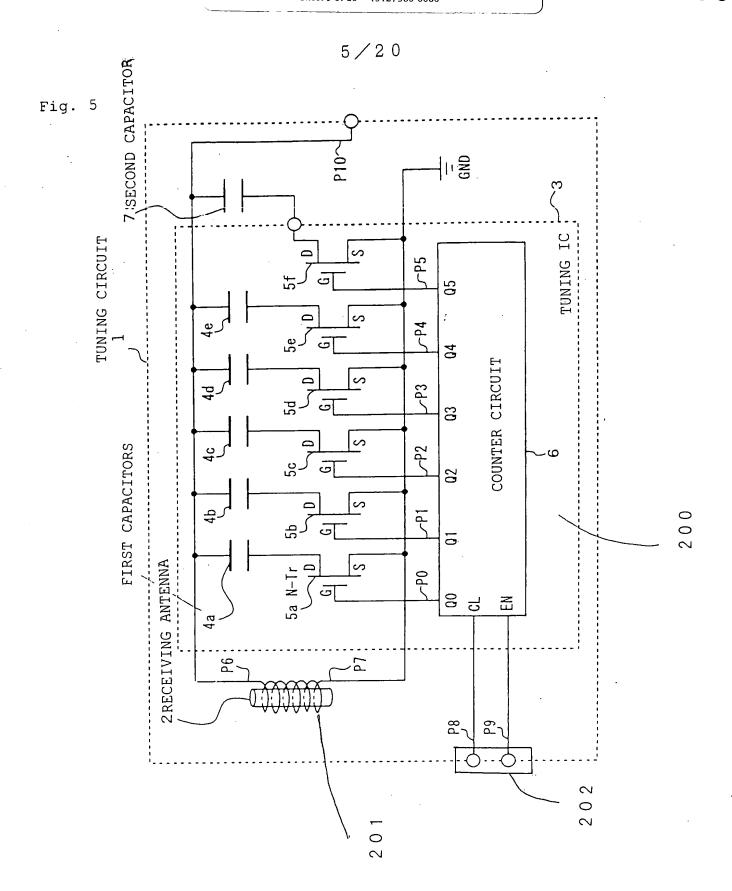
Fig. 4

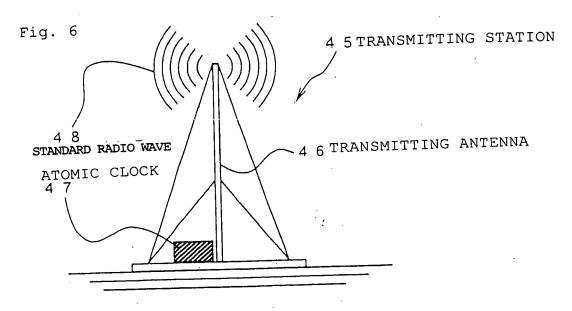
IMPEDANCE RATIO VERSUS ANTENNA GAIN CHARACTERISTICS (ON RESISTANCE REGION)

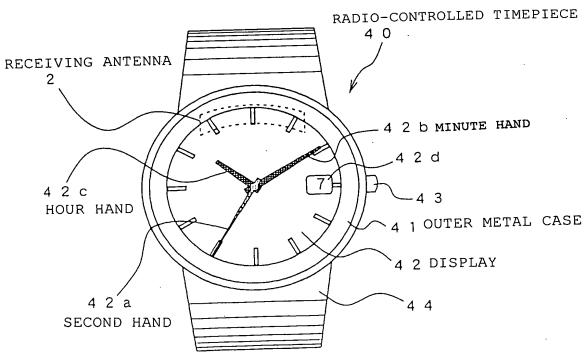


(b)
IMPEDANCE RATIO VERSUS ANTENNA GAIN CHARACTERISTICS
(OFF RESISTANCE REGION)









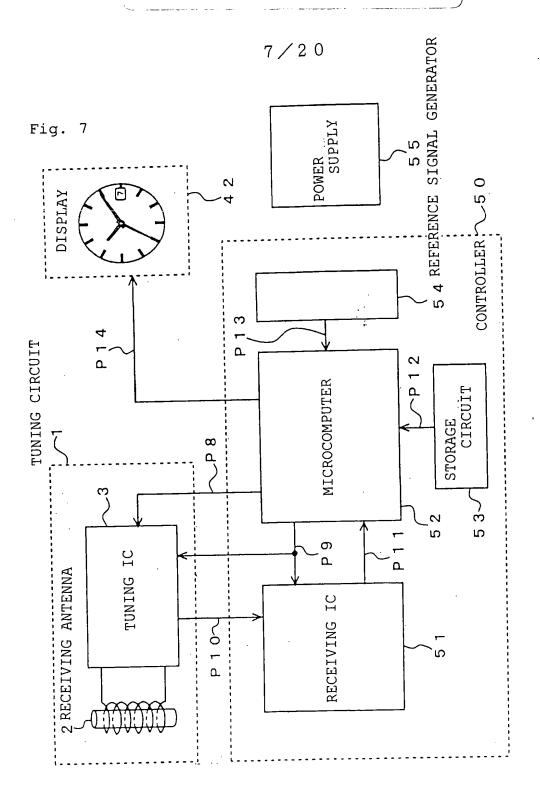
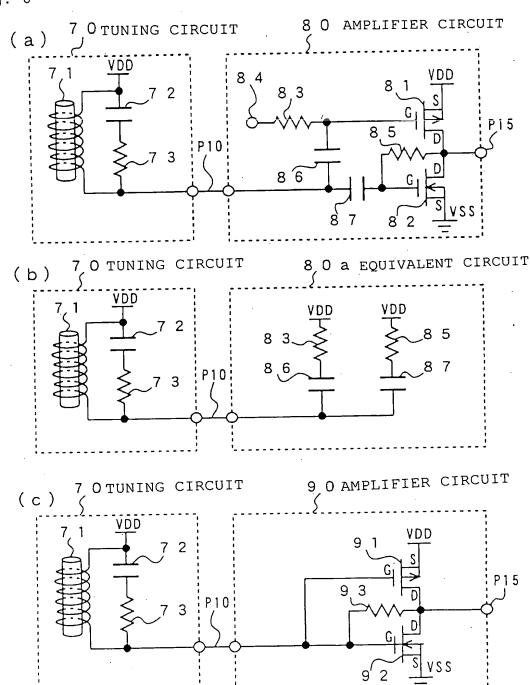
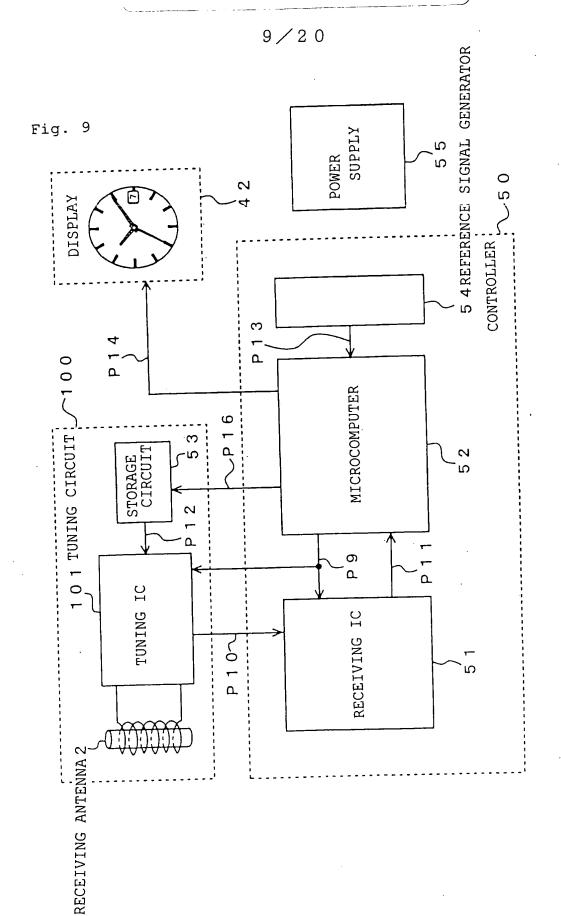


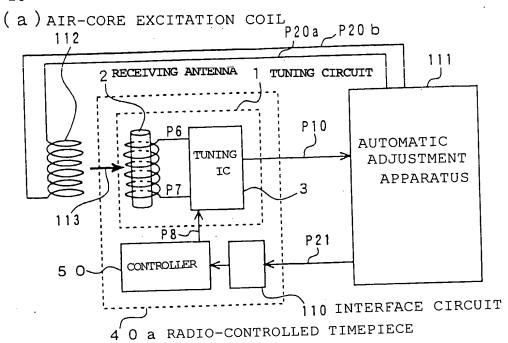
Fig. 8

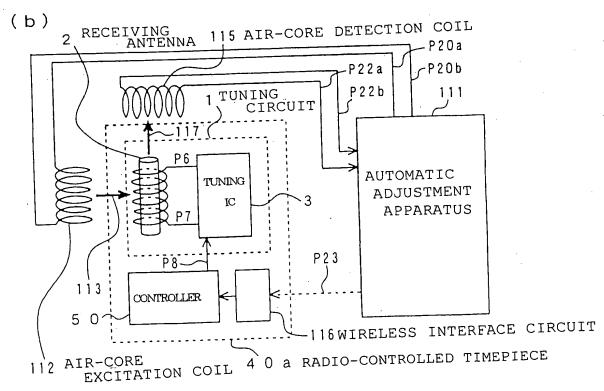




·1 0 / 2 0

Fig. 10





11/20

Fig. 11 ANTENNA OUTPUT CHARACTERISTICS

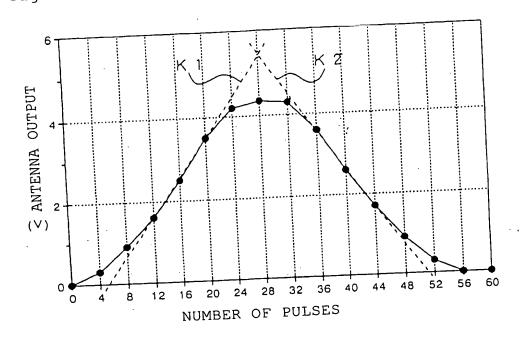
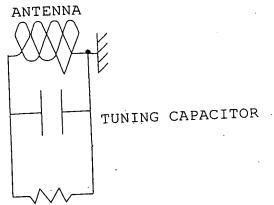
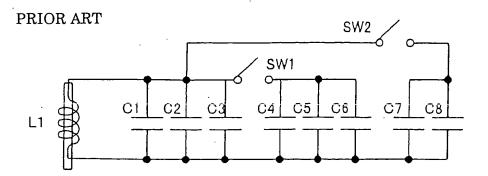


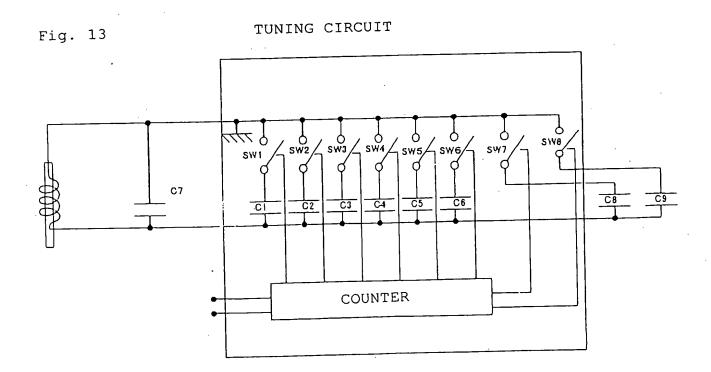
Fig. 23



AMPLIFIER CIRCUIT RESISTANCE

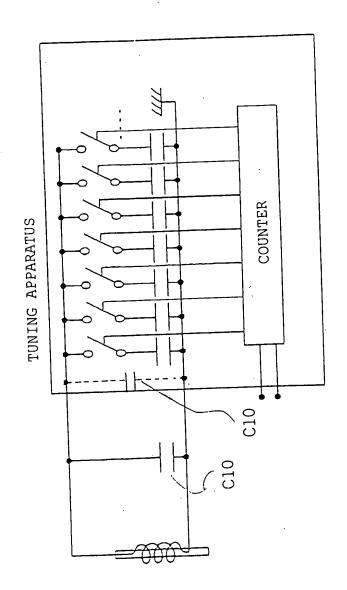
Fig. 12





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Fig. 14



0.63 0.73 0.83 0.93

0.53

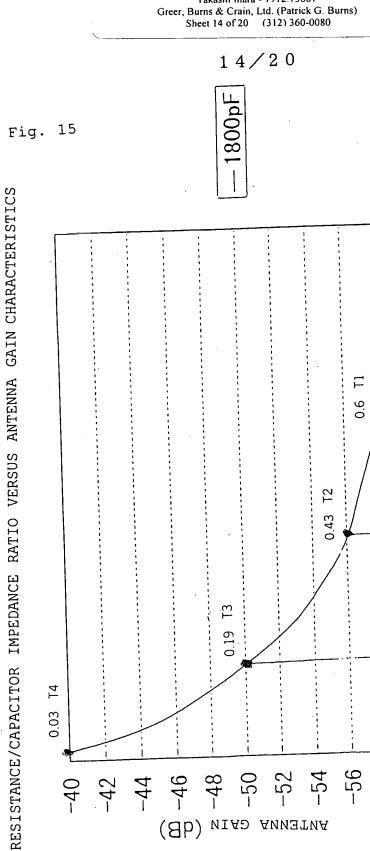
0.03 0.13 0.23 0.33 0.43

-58

99-

-54

RESITANCE/CAPACITOR IMPEDANCE RATIO



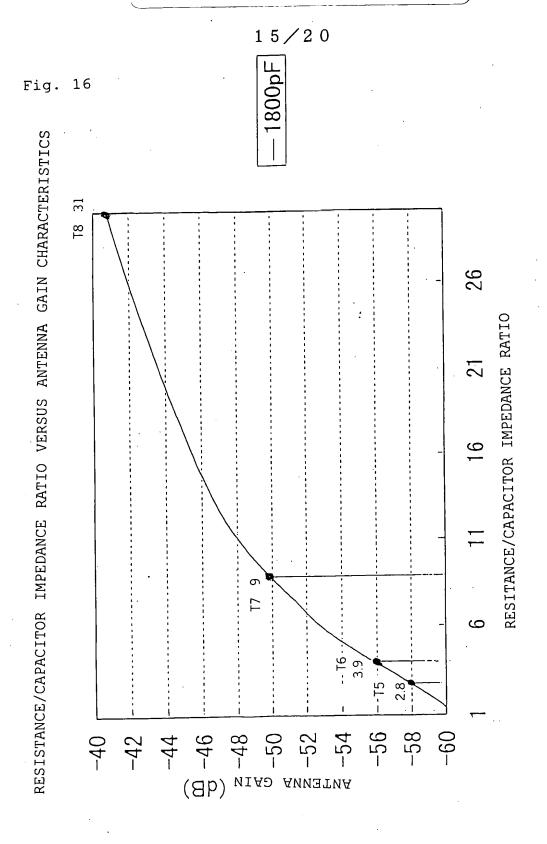
0.19

ANTENNA GAIN (4B)

74

0.03

TUNING APPARATUS... 09/14/05 Takashi Ihara - 1912.73687 Greer, Burns & Crain, Ltd. (Patrick G. Burns) Sheet 15 of 20 (312) 360-0080



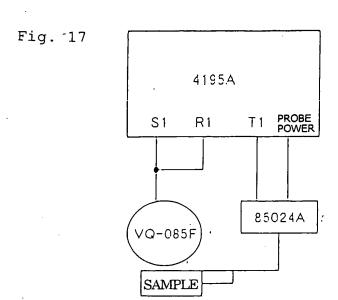
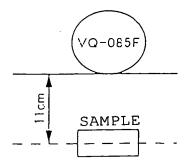
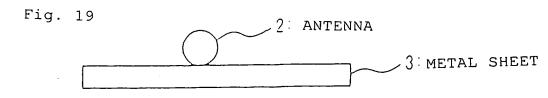


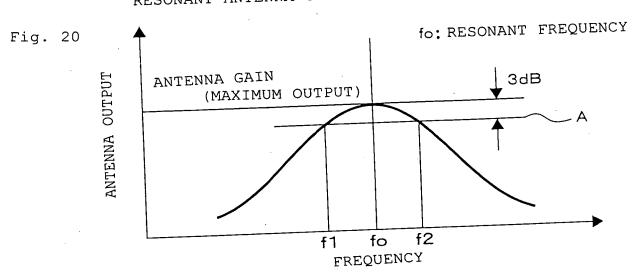
Fig. 18 ANTENNA-TO-SAMPLE DISTANCE

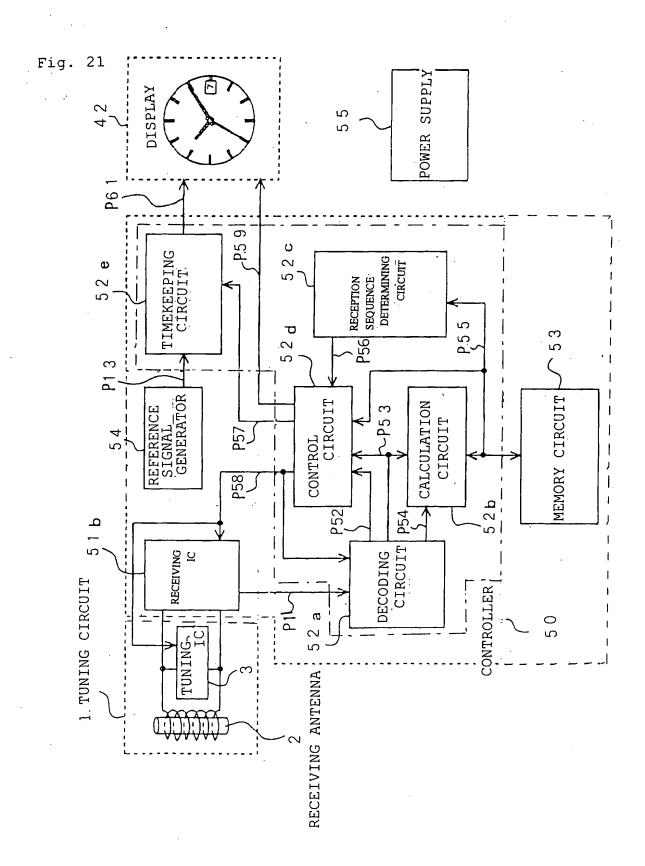




DISTANCE FROM ANTENNA TO METAL SHEET: 0mm

RESONANT ANTENNA OUTPUT CHARACTERISTICS





RECEPTION HISTORY INFORMATION TABLE

Fig. 22

		RECEPTION PROCESSING	·
7 D D D D G G	DECETTION OF TON NAME	TIME	RECEIVED LEVEL
ADDRESS	RECEIVED STATION NAME		
1	JJY FUKUSHIMA	3 MINUTES	H
2	JJY KYUSHU	6 MINUTES	Н
3	JJY KYUSHU	5 MINUTES	M
4	RECEPTION ERROR		
5	DCF77	8 MINUTES	L
6	DCF77 (77.5 kHz)	7 MINUTES	M
7	WWVB	5 MINUTES	M
8	JJY FUKUSHIMA	2 MINUTES	H
9	JJY FUKUSHIMA	5 MINUTES	Н
10	JJY KYUSHU (60 kHz)	4 MINUTES	M
11	WWVB (60 kHz)	10 MINUTES	L
12	JJY FUKUSHIMA (40 kHz)	6 MINUTES	M
•	٠	•	· •
•	•	•	•
N	•	•	•

Fig. 24

